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IN THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

- (Currently amended) A lithographic projection apparatus, comprising: 1. a radiation system constructed and arranged to provide a projection beam of radiation; a support structure constructed and arranged to supporting a patterning device, the patterning device constructed and arranged to pattern the projection beam of radiaiton according to a desired pattern;
 - a substrate table constructed and arranged to hold a substrate;
- a projection system constructed and arranged to project the patterned beam of radiation onto a target portion of the substrate;
- a transparent plate positioned between an optical element of the projection system and the substrate;
- a first fluid having a first index of refraction filling a first space between the substrate and the translucent transparent plate; and
- a second fluid having a second index of refraction filling a second space between the translucent transparent plate and the optical element, wherein the first and second indices of refraction are different.
- (Original) An apparatus according to claim I, wherein the first index of refraction is 2. greater than the second index of refraction.
- (Original) An apparatus according to claim 1, wherein the second index of refraction 3. is greater than the first index of refraction
- (Currently amended) An apparatus according to claim 1, wherein the translucent 4. transparent plate has a third index of refraction.
- (Criginal) An apparatus according to claim 4, wherein the third index of refraction is 5. between the first index of refraction and the second index of refraction.

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(Original) An apparatus according to claim 4, wherein the third index of refraction is 6. substantially equal to the first index of refraction.

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- (Original) An apparatus according to claim 4, wherein the third index of refraction is 7. substantially equal to the second index of refraction.
- (Original) An apparatus according to claim 1, wherein the first index of refraction is 8. substantially equal to an index of refraction of the substrate.
- (Original) An apparatus according to claim 1, wherein the second index of refraction 9. is substantially equal to an index of refraction of the optical element.
- (Original) An apparatus according to claim 1, wherein the first fluid is one of a 10. perfluoropolyether fluid and water and the second fluid is one of a perfluoropolyeter fluid and water.
- (Original) An apparatus according to claim 1, wherein the first and second fluids are 11. perfluoropolyether fluids.
- (Currently amended) A device manufacturing method, comprising: 12. providing a substrate that is at least partially covered by a layer of radiation sensitive material:

projecting a patterned beam of radiation onto a target portion of [[the]] a layer of radiation-sensitive material at least partially covering a substrate; and

filling a space between an optical element of a projection system and the substrate with first and second fluids having first and second indices of refraction, respectively, wherein the first and second indices of refraction are different.

(Currently amended) A device manufacturing method according to claim 12, further 13. comprising:

separating the first and second fluids with at least one translucent a transparent plate.

(Currently amended) A device manufacturing method according to claim 13, wherein 14. a first space between the substrate and the translucent transparent plate is filled with the first

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fluid and a second space between the translucent transparent plate and the optical element is filled with the second fluid.

- 15. (Original) A device manufacturing method according to claim 12, wherein the first index of refraction is greater than the second index of refraction.
- 16. (Original) A device manufacturing method according to claim 12, wherein the second index of refraction is greater than the first index of refraction.
- 17. (Original) A device manufacturing method according to claim 14, wherein the first index of refraction is substantially equal to an index of refraction of the substrate.
- 18. (Original) A device manufacturing method according to claim 14, wherein the second index of refraction is substantially equal to an index of refraction of the optical element.
- 19. (Original) A device manufacturing method according to claim 12, wherein the first fluid is one of a perfluoropolyether fluid and water and the second fluid is one of a perfluoropolyeither fluid and water.
- 20. (Original) A device manufacturing method according to claim 12, wherein the first and second fluids are perfluoropolyether fluids.
- 21. (Currently amended) A device manufacturing method according to claim 13, wherein the transparent plate has a third index of refraction between the first and second indices of refraction.
- 22. (Original) A device manufacturing method according to claim 21, wherein the third index of refraction is substantially equal to the first index of refraction.
- (Original) A device manufacturing method according to claim 21, wherein the third index of refraction is substantially equal to the second index of refraction.